A2500-2

Paper, Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol.70 No.1 JANUARY 1992

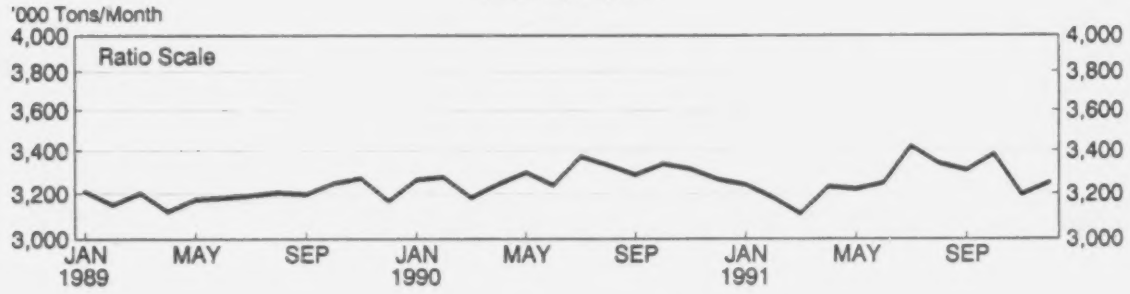
PAPER AND PAPERBOARD: 1991

A surge in paper and paperboard production in the last half of the year brought the 1991 total to a new high of 79.4 million tons, 0.8% above the 1990 figure. The gain was centered on paperboard, which recorded a 2.3% rise; paper production was off by 0.7%.

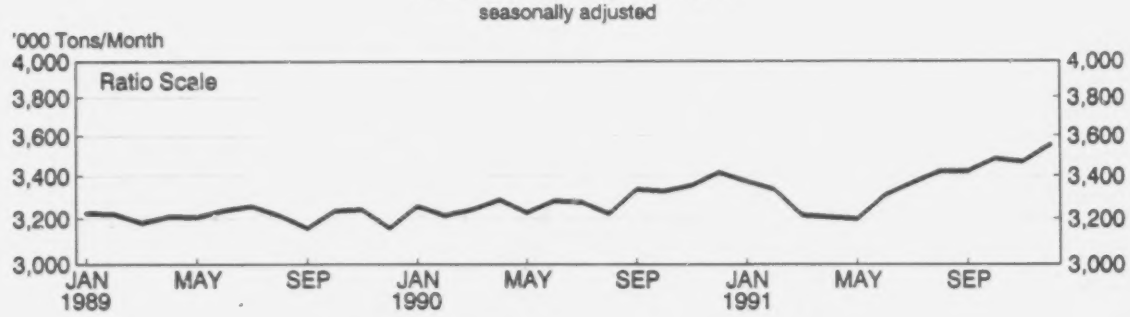
The 1991 paper and paperboard consumption total came in about 2% below its 1990 level. This compares to a decline of 0.7% in the real gross domestic product (real GDP). Paper and paperboard consumption normally falls faster than total market activity during economic downturns, but rises faster in the upturn. As the economy strengthened early in the second half of 1991, consumption rose at a greater pace, bringing its relationship to real GDP back to its long-term trend.

The average value of shipments per ton of output, however, was 7.0% below its year-ago level, consistent with the estimated drop in the value of shipments. After-tax profits in the first three quarters of 1991 were 40% below their year-ago total.

PAPER PRODUCTION
seasonally adjusted



PAPERBOARD PRODUCTION
seasonally adjusted



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Paper: Paper production peaked in July-October 1991 at a seasonally adjusted annual rate of 40.4 million tons, but fell 4.3% in November-December. The declines were spread through most major grades, with only newsprint showing a gain. Overall, second-half output was even with the corresponding 1990 total, after a year-to-year drop of 1.4% in the first half.

Newsprint production in 1991, at a record 6.8 million tons, was 3.5% ahead of the 1990 figure, with the operating rate near 97%. Exports and producers' inventory accumulations accounted for the entire production gain; domestic shipments held even with last year. Canadian shipments to U.S. markets fell 10.4%, reflecting the drop in U.S. newsprint consumption and a redistribution of market share.

The rate of shipments of printing-writing papers held near the low November pace in December, leaving the annual total 1.2% below a year-ago. Available data indicate that growth in domestic printing-writing papers usage slowed in 1991. For example, activity at printing and publishing plants other than newspapers, as reported by the Federal Reserve Board, rose only 0.4% above the 1990 level. Sales by paper merchants fell 3.7%, which was consistent with declines in paper prices as reported in the Bureau of Labor Statistics' price indexes. The 1991 printing-writing production totals were supported by an estimated 274,000 ton (34%) increase in exports and a 179,000 ton (6%) decline in imports.

Shipments of printing-writing papers from U.S. mills to domestic markets were off about 2% in 1991. Among the various end-users, magazine publishers reduced their receipts of printing-writing papers by 11.1%; book publishers, 11.4%. Shipments to the commercial printing aggregate, which includes general commercial printing, catalogs, directories, newspaper supplements, and freestanding inserts, remained near 1990 levels, but office reprographic uses, including in-plant printing, increased 7.7%.

Tissue production started out strongly in 1991, but failed to exceed year-ago levels in any month after April. The annual total was 2.3% below a year-ago, but fractionally above 1989.

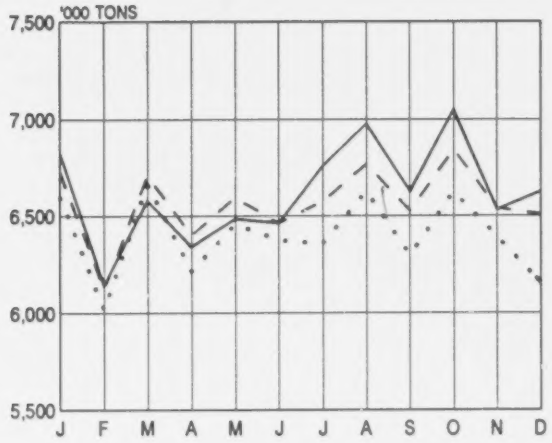
Shipments of unbleached kraft papers were 4.2% under their 1990 level, continuing a decline that started in the mid-1980s. Consumption of these types of paper, however, supported by a 1.5% gain in imports and 185,000 tons of recycled packaging papers, was only 2.2% below the year-ago total. Shipments of bleached kraft papers dropped 13% from 1990 to 1991. Production of other papers -- specialty packaging and special industrial -- advanced 3.3%

Paperboard: In contrast to the paper grades, the seasonally adjusted rate of paperboard production strengthened in December, establishing an all-time monthly high. Bolstered by an 18% gain in production for export, the 1991 total reached a record 40,323,000 tons, 2.3% above 1990's. The export gain was concentrated in the unbleached kraft grades. At 77% of the total, these exports rose

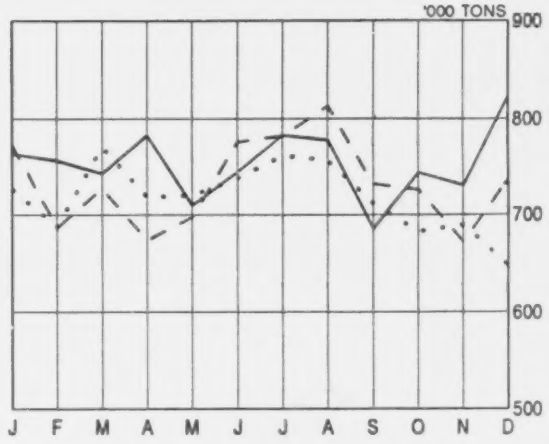
PAPER AND PAPERBOARD STATISTICS PRODUCTION, SHIPMENTS AND ORDERS (Thousands of Tons)	YEAR 1989	YEAR 1990	SEPT 1991	OCT 1991	NOV (R) 1991	DEC (P) 1991	Annual Rate Y-T-D 1991	% Change From Same Period Last Year
PAPER								
Newsprint – Production	6,088	6,610	547	584	581	582	6,841	3.5
– Shipments	6,079	6,621	546	565	600	609	6,784	2.5
Printing & Writing: Total Shipments	21,626	22,371	1,900	2,066	1,773	1,743	22,100	-1.2
Groundwood Paper – Shipments	1,743	1,806	155	163	143	140	1,775	-1.7
– New Orders	1,741	1,868	156	138	105	129	1,778	-4.8
– Unshipped Orders	193	221	295	263	245	225	225	1.7
Coated Groundwood – Shipments	4,059	4,233	351	368	324	312	4,044	-4.5
Coated Free Sheet – Shipments	3,157	3,303	293	317	264	254	3,265	-1.1
Total Coated Papers – Shipments	7,215	7,536	644	685	588	566	7,310	-3.0
– New Orders	7,171	7,430	669	660	527	550	7,294	-1.8
– Unshipped Orders	706	589	667	666	600	576	576	-2.2
Unctd Free Sheet – Shipments	11,081	11,503	974	1,088	923	929	11,552	0.4
– New Orders	11,097	11,479	982	1,098	946	813	11,544	0.6
– Unshipped Orders	748	672	733	783	786	677	677	0.9
Thin Papers – Shipments	262	218	16	19	16	16	196	-10.0
Cotton Fiber Paper – Shipments	161	155	11	13	12	10	144	-7.1
Bleached Bristols – Shipments	1,164	1,152	99	93	91	81	1,123	-2.5
Tissue Paper – Production	5,636	5,802	485	476	458	464	5,669	-2.3
Total Packaging & Other Paper	4,916	4,576	356	391	361	357	4,469	-2.3
Unbl. Kraft Paper – Shipments	2,681	2,377	176	190	176	182	2,276	-4.2
Bl. Kraft Paper – Shipments	468	484	34	39	33	37	421	-13.0
Specialty Pkg. Paper – Production	520	563	45	49	49	43	593	5.3
Special Industrial Paper – Production	1,248	1,153	101	113	103	94	1,179	2.3
TOTAL PAPER PRODUCTION – UNADJUSTED	38,266	39,359	3,267	3,528	3,173	3,145	39,078	-0.7
TOTAL PAPER PRODUCTION – SEAS ADJ			3,307	3,382	3,195	3,243	39,122	-0.7
PAPERBOARD – PRODUCTION								
Containerboard	26,428	27,388	2,351	2,450	2,360	2,494	28,112	2.6
Cont'bd For Dom Use for Fibre Boxes	23,752	24,432	2,089	2,175	2,089	2,152	24,818	0.8
Total Linerboard	16,399	16,875	1,449	1,526	1,442	1,491	17,039	1.0
Unbleached Kraft	15,833	16,414	1,382	1,458	1,378	1,427	16,269	-0.9
Solid Bleached	178	139	13	12	14	10	145	4.1
Recycled	388	323	53	55	50	53	625	93.6
Corrugating Medium	7,339	7,549	619	647	644	660	7,560	0.1
Semichemical	5,554	5,567	451	474	467	487	5,543	-0.4
Recycled	1,785	1,982	168	174	178	173	2,017	1.8
Container Chip and Filler	14	7	1	1	3	1	19	174.3
Other Containerboard for Dom Use	307	282	27	22	24	22	298	5.5
Containerboard for Export	2,369	2,674	255	253	247	320	3,197	19.5
Boxboard	12,092	12,035	1,010	1,072	997	979	12,211	1.5
Boxboard for Packaging for Dom Use	7,076	6,949	603	621	576	579	7,327	5.4
Folding Boxboard	5,370	5,198	461	485	442	439	5,591	7.6
Solid Bleached	1,980	1,818	153	164	154	152	1,938	6.6
Unbleached Kraft	987	970	103	86	76	85	1,124	15.8
Recycled	2,403	2,410	205	234	212	201	2,528	4.9
Set-up Boxboard for Dom Use	288	290	23	26	24	19	273	-5.7
Milk Carton & Food Service Dom Use	1,419	1,461	119	111	110	122	1,463	0.1
Other Boxboard for Domestic Use	4,152	4,145	324	360	339	298	3,826	-7.7
Boxboard for Export	863	941	83	91	81	102	1,059	12.5
Paperboard Production by Furnish	38,519	39,423	3,361	3,522	3,357	3,474	40,323	2.3
Unbleached Kraft	19,490	20,357	1,773	1,823	1,732	1,860	20,949	2.9
Semichemical	5,691	5,710	461	489	477	506	5,713	0.1
Solid Bleached Kraft	4,521	4,399	368	376	359	374	4,556	3.6
Recycled	8,817	8,956	759	835	789	733	9,105	1.7
Paperboard Production for Export	3,232	3,615	338	344	329	422	4,255	17.7
Unbleached Kraft	2,363	2,691	260	256	254	325	3,259	21.1
Semichemical	138	142	10	15	10	19	170	19.5
Bleached Kraft	693	732	60	64	56	69	752	2.7
Recycled	38	49	7	8	9	9	74	49.7
TOTAL PAPERBOARD PRODUCTION – UNADJ	38,519	39,423	3,361	3,522	3,357	3,474	40,323	2.3
TOTAL PAPERBOARD PROD – SEAS ADJ			3,423	3,483	3,468	3,552	40,363	2.3
PAPER AND PAPERBOARD – UNADJ	76,785	78,782	6,628	7,049	6,530	6,619	79,401	0.8
PAPER AND PAPERBOARD – SEAS ADJ			6,729	6,866	6,664	6,794	79,485	0.8

R – Revised P – Preliminary Seas. Adj. – Seasonally Adjusted Unadj – Not Seasonally Adjusted

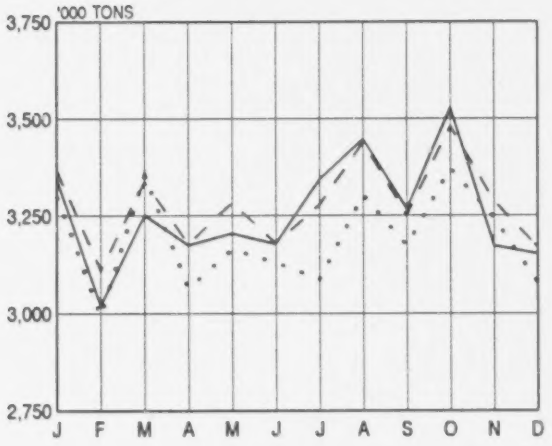
TOTAL PAPER AND PAPERBOARD
PRODUCTION



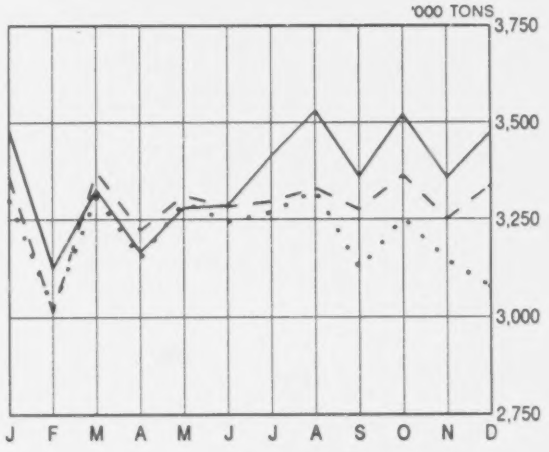
MARKET WOOD PULP
PRODUCTION



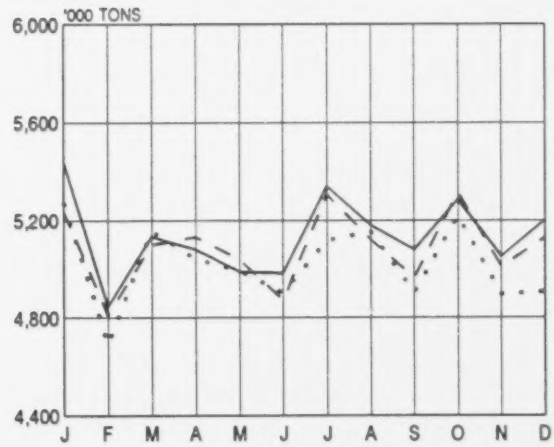
TOTAL PAPER
PRODUCTION



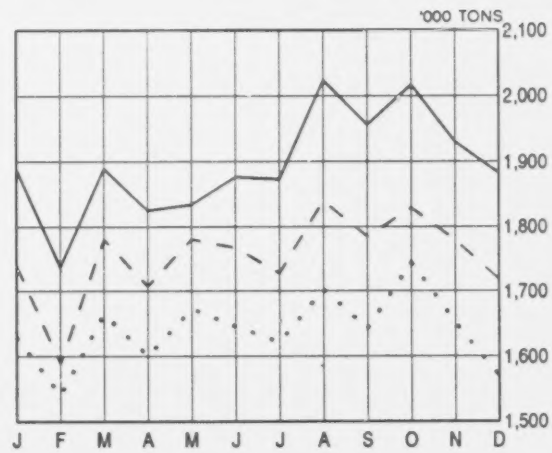
TOTAL PAPERBOARD
PRODUCTION



TOTAL WOOD PULP
CONSUMPTION



TOTAL WASTE PAPER
CONSUMPTION



1989 · · · · · 1990 — — — — 1991 ————

WOOD PULP STATISTICS (Thousands of Tons)			YEAR 1989	YEAR 1990	SEP 1991	OCT 1991	NOV (R) 1991	DEC (P) 1991		Annual Rate Y-T-D 1991	% Change From Same Period Last Year
TOTAL WOOD PULP											
Total Wood Pulp	Production		61,998	63,050	5,133	5,483	5,186	5,472		63,818	1.2
	Imports	A	5,005	4,893	438	389	420	415	*	4,984	1.9
	Exports	#	5,766	5,905	452	533	443	476	*	6,238	5.6
	New Supply		61,237	62,038	5,119	5,339	5,163	5,412	*	62,564	0.8
Dissolving Pulp	Production		1,425	1,293	116	105	108	121		1,370	6.0
	Imports		284	222	21	18	8	16	*	170	-23.5
	Exports	#	798	782	56	68	54	59	*	756	-3.3
	New Supply		912	733	81	55	62	78	*	784	6.9
Paper Grades	Production		50,181	51,192	4,176	4,451	4,207	4,462		51,950	1.5
Chemical Pulp	Imports	A	4,370	4,326	391	349	387	376	*	4,492	3.8
	Exports	#	4,913	5,080	392	458	384	411	*	5,429	6.9
	New Supply		49,639	50,438	4,175	4,343	4,211	4,426	*	51,012	1.1
Groundwood and	Production		6,029	6,345	511	556	535	546		6,404	0.9
Thermo-Mech	Imports	A	351	345	26	22	25	24	*	323	-6.6
	Exports	#	55	44	3	8	5	5	*	54	23.4
	New Supply		6,324	6,647	533	570	554	564	*	6,673	0.4
Semi-Chemical	Production		4,363	4,219	330	372	336	344		4,094	-3.0
	Imports										
	Exports										
	New Supply		4,363	4,219	330	372	336	344		4,094	-3.0
MARKET WOOD PULP											
Total Market	Production		8,664	8,798	686	744	731	823		9,045	2.8
Wood Pulp	Imports		3,539	3,215	285	260	270	273	*	3,149	-2.0
	Exports		5,309	5,561	464	520	486	575		5,990	7.7
	New Supply		6,893	6,451	507	485	515	520	*	6,205	-3.8
Dissolving Pulp	Production		1,422	1,292	115	105	108	121		1,369	5.9
	Imports		210	170	20	16	9	15	*	162	-4.2
	Exports		821	782	67	75	48	96		818	4.6
	New Supply		810	679	69	46	69	41	*	713	4.9
Paper Grades	Production		7,242	7,506	571	640	623	701		7,677	2.3
Chemical Pulp	Imports		3,072	2,813	252	231	247	243	*	2,787	-0.9
	Exports		4,489	4,779	398	445	438	480		5,172	8.2
	New Supply		5,825	5,540	425	425	431	464	*	5,292	-4.5
Groundwood Pulp	Production		0	0	0	0	0	0		0	N.M.
and All Other	Imports		258	232	13	13	14	14	*	200	-14.1
	Exports		0	0	0	0	0	0		0	N.M.
	New Supply		258	232	13	13	14	15	*	200	-14.1

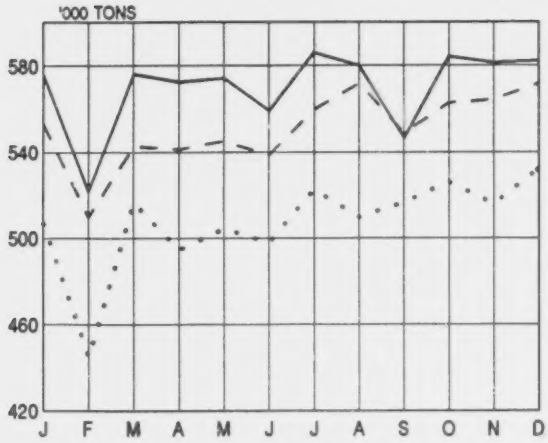
SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

NOTE: A - API shifted import data from January 1989 to December 1988 to compensate for misallocation of reported data. N.M. - Not Meaningful. # - 1989 Exports revised by API. * - Estimated.

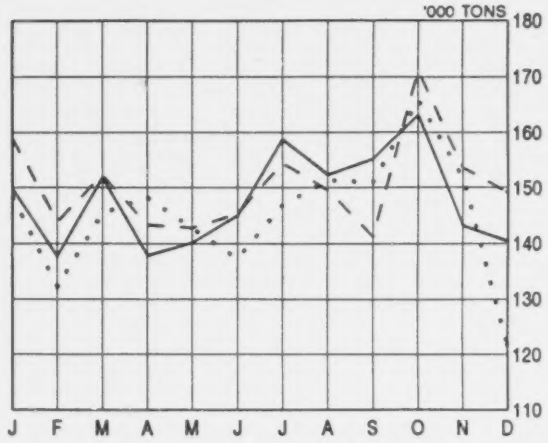
FIBROUS RAW MATERIALS (Thousands of tons)	YEAR 1989	YEAR 1990	SEP 1991	OCT 1991	NOV (R) 1991	DEC (P) 1991	Annual Rate 1991	% Change From Same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS								
Total	79,742	81,996	7,034	7,304	6,980	7,085	84,339	2.9
Total Wood Pulp	60,252	61,015	5,078	5,287	5,050	5,202	61,606	1.0
Waste Paper (1990 & 1991 Revised)	19,490	20,981	1,956	2,017	1,930	1,883	22,733	8.4
INVENTORIES								
Chemical Paper Grade Market Pulp								
Producers' Own-Use Inventories	193	226	192	197	195	219	219	-3.0
Producers' Market Inventories	342	476	575	547	513	518	518	8.7
Consumers' Purchased Inventories #	519	392	348	347	345	450	450	14.6
Waste Paper at Paper & Bd. Mills	1,082	915	1,050	1,062	1,052	1,074	1,074	17.3
Days of Supply at Pulp Mills of								
Chemical Paper Grade Mkt Pulp	19	23	28	26	23	22	22	-4.3

SOURCES: Wood Pulp Data: Pulp Division, Pulp, Materials and Technology Group, API. Wood Pulp Consumption, 1989: Bureau of the Census.
Waste Paper Data: Paper Recycling Committee, API. # Includes all grades of wood pulp
P - Preliminary; R - Revised; 0 - Indicates zero to five-hundred short tons

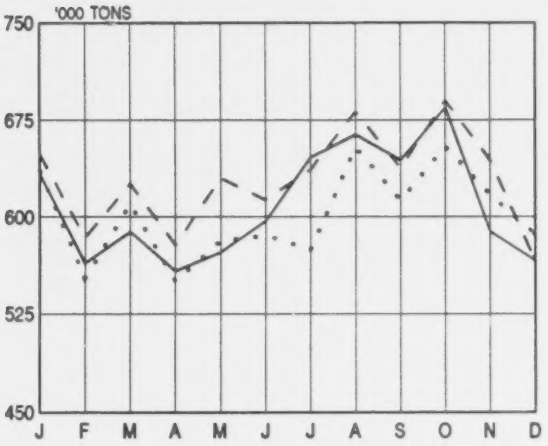
NEWSPRINT
PRODUCTION



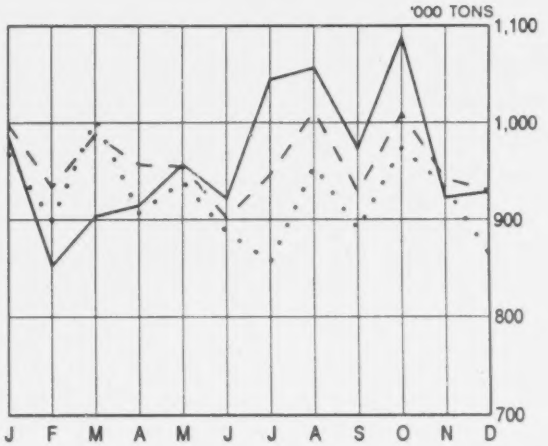
GROUNDWOOD PAPER, UNCOATED
SHIPMENTS



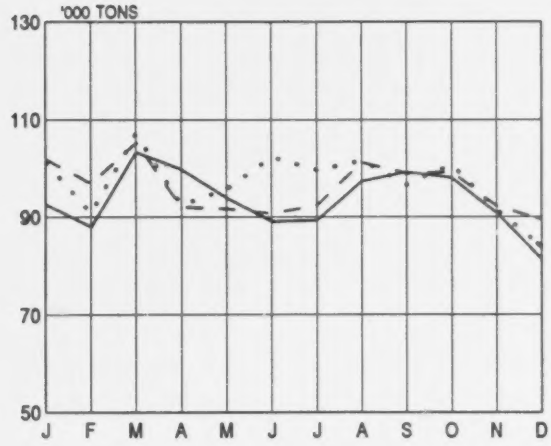
COATED PAPER
SHIPMENTS



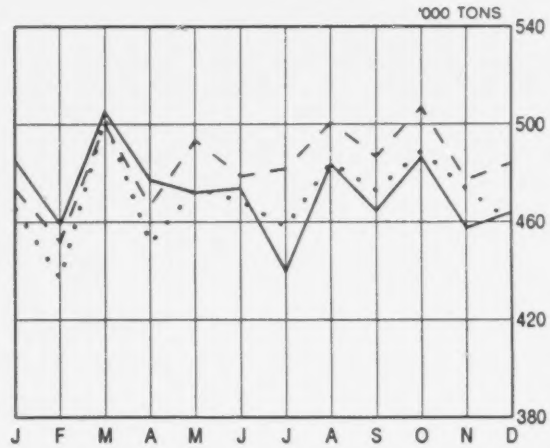
UNCOATED FREE SHEET PAPERS
SHIPMENTS



BLEACHED BRISTOLS
PRODUCTION



TISSUE PAPER
PRODUCTION



1989 · · · · · 1990 — — — — 1991 ———

FIBROUS RAW MATERIALS Thousands of Standard (128 Cu. ft.) Cords	YEAR 1989	YEAR 1990	AUGUST 1991	SEPT. 1991	OCT. 1991	NOV. 1991	ANNUAL RATE Y-T-D 1991	% CHANGE FROM SAME PD LAST YEAR
PULPWOOD								
Total U.S. – Total Receipts	**99,279**	**99,304**	**8,351**	**8,125**	**8,602**	**7,839**	**98,797**	**-0.9**
– Total Consumption	98,414	99,109	8,419	7,871	8,293	7,966	98,439	-0.9
– Residues *	34,539	35,727	2,841	2,817	2,940	2,879	34,231	-4.8
– Inventories	5,462	5,961	5,100	5,501	6,122	6,126	6,126	-3.9
So. Atlantic – Total Receipts	**31,982**	**32,536**	**2,559**	**2,634**	**2,662**	**2,527**	**31,294**	**-4.2**
– Total Consumption	32,239	32,412	2,660	2,636	2,536	2,634	31,816	-1.9
– Residues *	9,961	11,161	804	838	818	758	10,204	-8.9
– Inventories	936	1,334	987	1,067	1,329	1,364	1,364	3.0
Northeast – Total Receipts	7,242	7,264	596	591	661	601	7,340	0.9
– Total Consumption	7,072	7,080	548	538	613	560	6,857	-3.6
– Residues *	1,575	1,505	134	138	159	138	1,678	11.4
– Inventories	522	449	368	395	420	425	425	-7.2
South Central – Total Receipts	**35,840**	**37,246**	**3,358**	**3,200**	**3,393**	**3,102**	**38,757**	**3.9**
– Total Consumption	35,791	36,784	3,457	3,045	3,300	3,187	36,468	4.5
– Residues *	10,539	11,516	978	958	993	916	11,746	1.6
– Inventories	1,336	1,879	1,387	1,586	1,911	1,923	1,923	-7.2
North Central – Total Receipts	7,020	7,074	643	580	621	512	7,177	1.6
– Total Consumption	6,963	7,129	599	585	592	597	7,299	2.6
– Residues *	1,422	1,308	103	99	91	96	1,199	-9.6
– Inventories	938	1,014	964	965	979	922	922	-8.2
West – Total Receipts	**17,196**	**15,184**	**1,196**	**1,120**	**1,265**	**1,097**	**14,230**	**-7.6**
– Total Consumption	16,349	15,704	1,157	1,057	1,250	1,088	13,999	-11.8
– Residues *	11,042	10,217	822	784	879	741	9,405	-9.3
– Inventories	1,730	1,285	1,414	1,468	1,483	1,492	1,492	-1.6

SOURCE: American Pulpwood Association

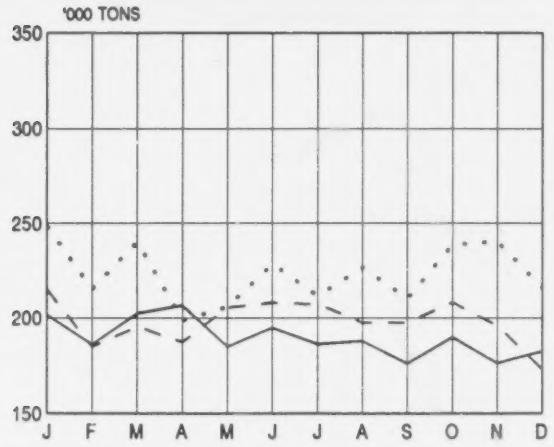
* – Consumption of Residues in cords equivalent

UNITED STATES TRADE WITH CANADA	IMPORTS FROM CANADA YEAR 1990 Tons	YEAR 1990 ($000)	OCTOBER 1991 Tons	OCTOBER 1991 ($000)	NOVEMBER 1991 Tons	NOVEMBER 1991 ($000)	ANNUAL RATE Y-T-D 1991 Tons	% CHANGE FROM SAME PD LAST YEAR
Pulpwood, Roundwood (in cubic meters)	0	0	0	0	0	0	0	0.0
Pulpwood chips	709,197	22,413	47,689	1,694	53,012	1,860	680,852	-2.3
Wood Pulp, Total	4,322,418	2,514,301	347,193	130,481	365,719	132,836	4,313,812	-2.0
Waste Fibrous Materials, Total	130,452	31,442	8,722	1,682	8,264	1,727	122,906	-8.4
Paper, Board & Products, Total	11,191,700	6,317,580	983,947	551,411	882,267	504,994	10,866,167	-5.5
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	11,047,032	5,968,425	970,807	519,837	870,371	475,275	10,513,815	-5.6
Paper, Paperboard & Products	11,066,239	6,284,416	975,882	549,212	876,016	503,351	10,582,861	-5.1
Paper & Paperboard, Only	10,921,571	5,936,250	962,743	517,638	864,130	473,631	10,431,308	-5.2
Paper, Total	10,385,505	5,723,101	874,138	485,869	792,368	447,660	9,738,935	-7.0
Newsprint	8,118,161	4,162,493	648,481	335,466	582,833	305,878	7,435,747	-9.2
Printing, Writing & Rel. Pap.	1,914,083	1,295,073	196,923	126,930	183,030	119,878	1,989,672	3.5
Pack. & Ind. Conv. Paper	211,903	121,069	19,400	11,858	17,335	10,596	211,752	-3.0
Special Industrial Paper	57,441	58,444	4,547	7,096	4,731	7,319	46,464	-20.2
Tissue Paper	83,917	76,023	4,788	4,521	4,436	3,991	55,300	-34.6
Paperboard, Total	536,067	212,149	88,806	31,769	71,764	25,971	692,373	30.1
Convtd Paper&Paperbd Products	144,668	349,166	13,139	31,574	11,886	29,720	151,552	2.8
Wet Machine Board	884	757	53	48	78	68	781	-16.8
Construction Paper & Board	124,576	32,418	8,012	2,151	6,183	1,576	81,525	-37.6

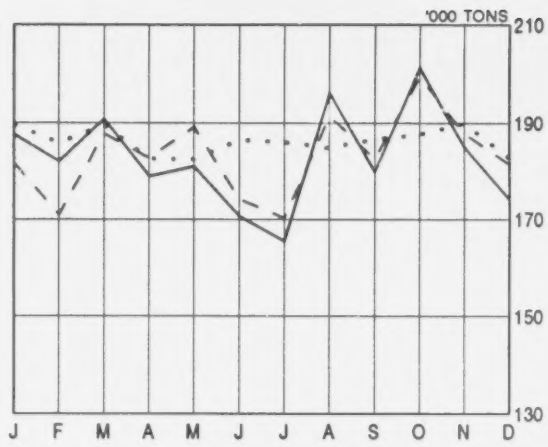
EXPORTS TO CANADA								
Pulpwood, Roundwood (in cubic meters)	1,036,727	36,801	215,719	6,766	222,604	7,101	2,311,900	122.2
Pulpwood chips	193,841	9,068	28,433	1,459	27,025	1,338	289,501	37.9
Wood Pulp, Total	328,456	166,508	23,310	10,682	20,915	9,715	263,111	-22.3
Cotton Pulp & Other Pulp	4,373	4,284	489	368	452	422	4,590	4.5
Waste Paper	653,204	118,346	53,737	8,128	49,839	7,611	608,875	-9.0
Paper, Board & Products, Total	1,194,633	1,317,384	131,733	143,300	116,589	130,117	1,413,430	15.6
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	893,102	820,279	95,242	85,255	84,584	78,239	1,050,238	14.8
Paper, Paperboard & Products	1,192,443	1,315,696	131,187	143,058	116,172	129,946	1,407,093	15.3
Paper & Paperboard, Only	990,912	818,590	94,696	85,012	84,167	78,069	1,043,902	14.4
Paper, Total	521,586	595,962	58,674	63,857	53,807	59,656	646,132	21.3
Newsprint	20,813	11,389	3,839	2,417	1,305	769	29,374	37.8
Printing, Writing & Rel. Pap.	372,852	424,207	45,273	43,207	39,041	42,028	459,193	20.2
Pack. & Ind. Conv. Paper	52,387	36,780	5,660	4,366	5,055	3,843	62,881	18.5
Special Industrial Paper	59,301	106,279	5,139	9,761	4,989	9,240	59,100	-2.3
Tissue Paper	16,253	17,297	3,742	3,885	3,417	3,776	35,584	130.5
Paperboard, Total	369,326	222,638	36,023	21,364	30,360	18,413	397,770	4.6
Convtd Paper&Paperbd Products	301,531	497,106	36,491	58,046	32,005	51,878	383,191	18.0
Wet Machine Board	0	0	0	0	0	0	0	N.M.
Construction Paper & Board	2,190	1,689	546	243	396	171	6,337	170.4

SOURCE: Bureau of Census, Department of Commerce

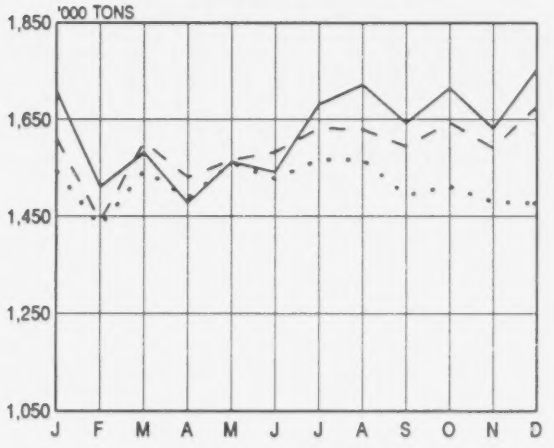
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER
SHIPMENTS



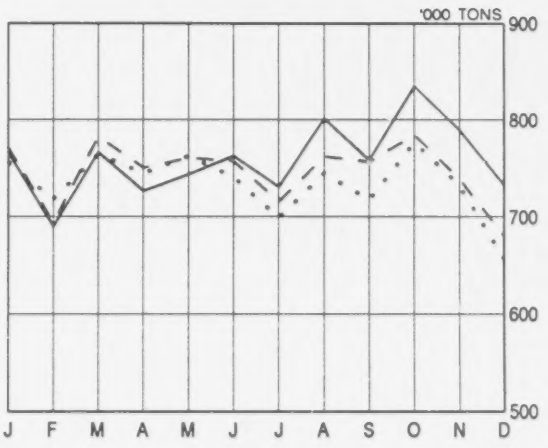
OTHER PAPER
PRODUCTION



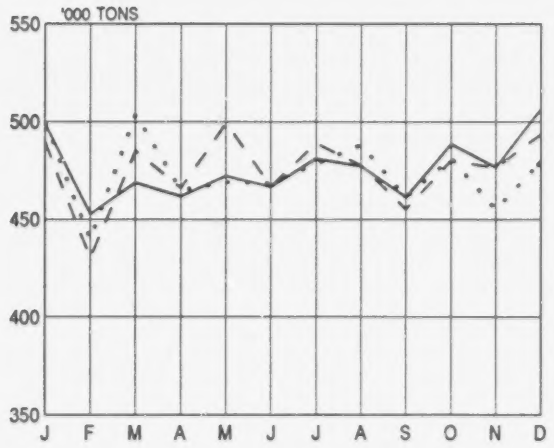
UNBLEACHED KRAFT LINERBOARD
PRODUCTION



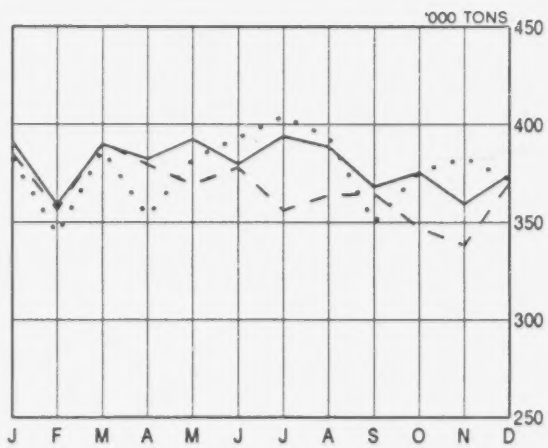
RECYCLED PAPERBOARD
PRODUCTION



SEMICHEMICAL PAPERBOARD
PRODUCTION



SOLID BLEACHED PAPERBOARD
PRODUCTION



1989 · · · · · 1990 — — — — 1991 ———

PULP, PAPER AND PAPERBOARD IMPORTS	YEAR 1990		OCTOBER 1991		NOVEMBER 1991		Annual Rate YTD 1991	% Change from same Period Last Year
	Tons	$000	Tons	$000	Tons	$000	Tons (1)	
Pulpwood Roundwood (cubic meters)	0	0	0	0	0	0	0	0.0
Pulpwood Chips	710,415	22,550	47,702	1,703	55,164	1,992	683,735	-2.1
Total All Imports	18,177,409	11,292,256	1,542,711	878,786	1,445,044	811,872	17,385,776	-6.5
Wood Pulp Total	4,893,255	2,831,327	388,743	147,852	419,910	153,412	4,983,945	0.1
Waste Paper	122,539	26,349	8,617	1,678	9,047	1,903	124,936	-1.1
Other Fibrous Materials	14,037	9,288	3,526	560	1,337	802	12,051	-13.6
Paper Board & Products Total	13,147,479	8,425,293	1,141,825	728,697	1,014,750	656,055	12,244,842	-7.6
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	12,728,760	7,425,583	1,108,373	640,762	984,696	577,410	11,850,129	-7.7
Paper Ppbd & Prds ex Cnst&WMB	13,006,238	8,382,641	1,132,394	725,644	1,007,488	653,644	12,149,186	-7.3
Paper & Paperboard Only	12,587,519	7,382,931	1,098,942	637,709	977,434	575,000	11,754,473	-7.4
Paper Total	11,961,306	7,077,035	1,003,394	600,626	899,389	543,653	10,990,113	-8.9
Newsprint	8,299,557	4,247,131	659,069	339,616	585,537	307,125	7,548,680	-9.8
Printing & Writing	3,104,863	2,248,424	300,069	209,926	272,073	189,142	2,956,704	-5.5
Uncoated Groundwood	1,337,581	843,550	143,947	88,140	129,200	79,379	1,387,341	2.5
Coated Print.& Impreg. Pap.	936,046	749,082	74,395	58,657	67,663	53,299	796,269	-16.2
Uncoated Free Sheet	752,448	564,479	72,127	52,125	65,676	45,806	679,409	-9.1
Thin (except Cigarette)	11,365	14,296	1,464	1,758	1,343	1,573	14,596	28.6
Bristols	67,424	77,017	8,137	9,246	8,192	9,285	79,088	16.8
Total Pkg & Other Paper	425,697	462,237	38,906	46,117	36,860	42,923	413,747	-5.2
Unbleached Kraft Paper	235,352	116,655	20,873	10,032	19,586	9,452	233,765	-4.0
Other Pkg. & Indust. Paper	190,345	345,582	18,033	36,085	17,275	33,470	179,981	-6.7
Tissue	131,189	119,244	5,350	4,966	4,918	4,463	70,983	-45.0
Paperboard, Total	626,213	305,895	93,548	37,083	78,045	31,347	764,360	22.6
Test or Containerboard	113,629	48,929	24,480	8,434	18,674	6,752	153,511	31.5
Semi-Chemical Corrugating	111,935	31,152	12,718	2,936	13,759	3,184	96,488	-12.7
Other Paperboard	400,649	227,180	56,350	25,713	45,612	21,410	515,360	29.7
Convtd Paper&Paperbd Products	418,719	999,710	35,452	87,935	30,054	78,645	394,713	-6.9
Paper Products, Total	313,106	807,967	25,646	69,143	21,693	62,502	292,935	-8.0
Paperboard Products, Total	105,613	191,744	9,806	18,793	8,361	16,142	101,779	-3.4
Wet machine Board	1,132	991	58	54	81	72	927	-23.9
Construction Paper & Board E	140,110	41,661	9,373	2,998	7,181	2,339	94,729	-35.3
Notes								
Other: No Weight Avail. ($000)		136,809		15,184		13,731	140,476	2.1
Total Imports Incl. Other($000)		11,429,064		893,970		825,603	10,319,405	-10.8

PULP, PAPER AND PAPERBOARD EXPORTS	YEAR 1990		OCTOBER 1991		NOVEMBER 1991		Annual Rate YTD 1991	% Change from same Period Last Year
	Tons	$000	Tons	$000	Tons	$000	Tons (1)	
Pulpwood, Roundwood (cubic meters)	1,122,468	39,971	217,078	6,877	223,614	7,114	2,336,686	107.5
Pulpwood Chips	4,637,669	412,018	513,361	43,230	490,518	45,212	5,363,949	14.5
Total All Exports	19,342,224	9,075,342	1,829,043	803,016	1,674,851	718,692	21,334,129	10.2
Wood Pulp,Total	5,905,339	3,155,671	532,835	216,553	442,643	174,847	6,286,526	6.2
Cotton Pulp and Other Pulp	135,632	104,906	16,112	9,962	8,283	7,591	111,242	-19.0
Waste and Old Paper	6,504,865	779,687	562,916	55,905	560,023	50,461	6,614,532	2.3
Paper, Board & Products,Total	6,796,388	5,035,177	717,180	520,596	663,903	485,794	8,321,830	21.8
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	5,748,620	3,449,743	696,991	342,116	551,958	319,814	7,029,936	21.4
Paper, Ppbd & Prod ex Cnst&WMB	6,786,518	5,028,683	715,914	519,918	662,944	485,188	8,301,864	21.5
Paper & Paperboard, Only	5,738,750	3,443,249	696,725	341,438	550,999	319,188	7,009,970	21.2
Paper, Total	1,519,052	1,455,104	174,367	155,620	179,548	156,428	2,053,867	33.9
Newsprint	535,993	293,182	56,694	30,232	67,038	32,582	720,321	33.2
Printing & Writing	664,824	717,700	84,196	77,761	77,478	76,676	938,485	39.2
Uncoated Groundwood	75,299	63,574	10,713	8,215	7,035	6,094	119,397	58.4
Clay Coated Paper	218,684	215,289	26,099	23,089	25,126	23,843	277,532	23.2
Uncoated Free Sheet	232,369	306,127	33,477	34,238	28,083	31,635	357,705	53.4
Other Printing & Writing	138,472	132,709	13,906	12,218	17,235	15,104	183,850	30.8
Total Pkg. & Other Paper	283,584	403,949	27,476	41,020	27,608	38,336	331,797	16.5
Unbleached Kraft	112,828	80,480	10,596	6,548	10,543	5,820	132,339	18.1
Other Pkg. & Indust. Paper	170,756	343,469	16,881	34,472	17,064	32,516	199,458	15.4
Tissue	34,651	40,273	6,023	6,607	7,425	8,834	63,264	88.8
Paperboard, Total	4,219,698	1,968,144	421,337	185,818	371,451	162,780	4,956,103	16.7
Solid Wood Pulp	3,993,101	1,867,502	400,934	173,905	350,565	150,767	4,723,050	17.6
Total Linerboard	2,924,140	1,078,705	293,672	98,868	263,311	93,131	3,418,502	16.4
Bleached Kraft Linerboard	335,444	150,819	35,362	14,147	23,107	10,469	396,038	19.3
Unbleached Kraft Linerbd	2,588,697	925,886	258,310	84,720	240,204	82,663	3,020,464	16.0
Other Unbleached Kraft	253,945	144,169	37,552	19,933	31,451	16,154	400,995	58.3
Other Bleached Kraft	784,550	628,859	64,563	53,385	47,301	38,727	825,273	6.2
Semi-Chemical Corrugating	50,466	17,789	5,148	1,720	8,502	2,755	78,579	57.8
Recycled Paperboard	226,598	120,643	20,403	11,913	20,886	11,993	233,053	0.5
Convtd Paper&Paperbd Products	1,047,788	1,585,435	120,189	178,480	111,945	165,979	1,291,884	22.9
Paper Products, Total	440,793	1,012,642	53,367	115,734	50,717	104,509	590,510	34.4
Paperboard Products, Total	606,975	572,793	66,822	62,746	61,228	61,471	701,384	14.7
Wet Machine Board	487	232	14	11	18	16	289	-45.6
Construction Paper & Board E	9,384	8,262	1,252	998	943	810	19,677	117.5
Notes								
Other: No Weight Avail. ($000)		49,964		6,473		6,325	67,363	32.6
Total Exports Incl. Other($000)		9,125,306		809,490		725,016	9,706,215	5.6

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

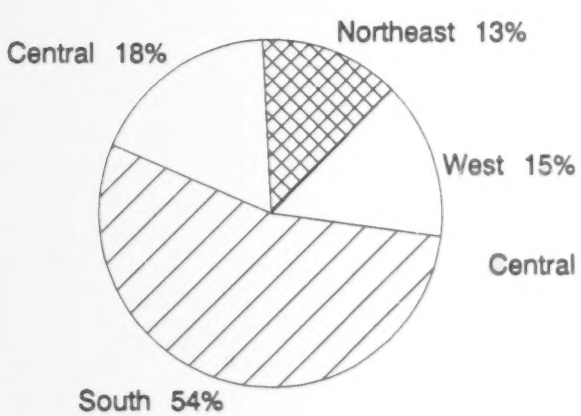
PRODUCER PRICE INDEXES 1982 = 100	YEAR 1989	YEAR 1990	SEPT. 1991	OCT. 1991	NOV. 1991	DEC. 1991	Annual Rate Y-T-D 1991	% Change from same Period Last Year
Pulp, Paper and Products except Building Grades	132.4	132.9	129.1	128.8	129.0	128.4	129.9	-2.3
Pulp Paper & Products, ex. Building Grades & ex. Waste Paper *	132.0	132.8	129.4	129.1	129.3	128.7	130.0	-2.1
Total Wood Pulp	157.4	151.2	114.7	111.9	111.3	107.4	119.8	-20.8
Total Paper	129.6	128.8	126.1	125.6	125.3	124.9	127.1	-1.4
Writing Paper, exc. Newsprint	130.5	129.1	123.8	123.4	123.0	122.4	125.0	-3.2
Newsprint	122.5	119.6	118.0	116.6	116.4	115.8	120.8	1.0
Total Paperboard	140.1	135.7	132.0	132.9	132.9	132.9	130.2	-4.1
Total Paper and Paperboard *	132.9	131.0	128.0	127.9	127.7	127.4	128.0	-2.3
Converted Products	131.7	135.1	134.2	134.1	134.5	134.0	134.9	-0.2
Waste Paper	157.1	138.9	111.6	109.3	110.3	110.3	121.3	-12.7
All Commodities	112.2	116.3	116.0	116.4	116.4	115.9	116.5	0.2
Industrial Commodities	111.6	115.8	116.2	116.6	116.7	116.1	116.5	0.6

SOURCE: Producer Price Indexes: Bureau of Labor Statistics, U.S. Department of Labor * Computed by API

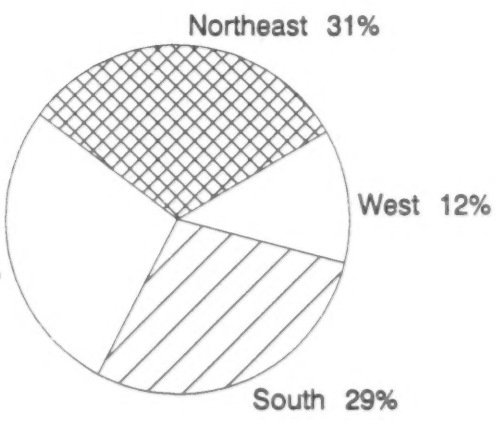
PAPER AND PAPERBOARD PRODUCTION

Percent Distribution in 1990

Tonnage by Region



Mill Count by Region



21%, while the bleached kraft (SBS) grades -- 18% of the total -- increased by 2.7%.

Production of containerboard for domestic use -- largely used in the manufacture of corrugated shipping containers -- rose 0.8%. Fibre box shipments, at 350 billion sq. ft., were 0.6% above their year-earlier total. The 1991 gains in containerboard and box shipments were somewhat stronger than those registered in such market indicators as real GDP and non-durable goods production. Some of this additional strength may have accrued from shifts in production of packaged goods from overseas to domestic sources, reflecting a slowdown in non-petroleum U.S. import growth.

Inventories of containerboard at mills and plants as of the year-end were equivalent to 5.9 weeks of supply, equal to their year-ago level.

Total boxboard production in 1991 was 1.5% above its 1990 level, reflecting a 7.6% increase in production of folding boxboard for domestic use offset by declines in the non-packaging grades. Output of folding boxboard was stimulated by the start-up of a major unbleached kraft folding boxboard machine. Production of this grade for domestic use rose 16% in 1991, to 1.1 million tons, while exports posted a 53% (90,000 ton) gain. Set-up boxboard was down 6.1% and the food service grades were virtually unchanged.

FIBROUS RAW MATERIALS

Production of chemical paper grade market pulp, spurred by exports, rose 2.7% in 1991, to a high of 7.7 million tons. After a weak first half, shipments to the domestic market moved strongly upward, finishing the total year 4% below its 1990 total. Imports of these grades were down 0.9%, driving the total new supply (production plus imports less exports) 4.5% under its year-ago total.

Exports rose 8.5%, to 5.2 million tons. Exports to Western Europe, which accounted for 42% of the total, gained 14%, while exports to Japan, which amounted to 19% of the total, increased 5%. Exports to Latin America (8% of the total) declined 4%, but exports to the Asian/African nations, taking 26% of the total, gained 14%.

U.S. consumers, who had drawn inventories of purchased pulp down from 27 days of supply from the end of 1990 to 22 days at the end of November, added 105,000 tons to their inventories in December, bringing the total to 28 days of supply. Producers' inventories as of December 1991 were at 22 days of supply, one day below their year-ago rate.

Recovered paper continues to gain importance as a source of fibre at paper and paperboard mills. Consumption in 1991 rose 8.4% from its year-earlier level, outpacing the 1.0% increase in wood pulp usage. Inventories of recovered paper held by paper and paperboard mills at the end of December were up 17% from year-ago levels; exports in the January-November period were up 2.3%.

REGIONAL PRODUCTION DATA

The Bureau of the Census ceased publication of its annual Current Industrial Report, Pulp, Paper and Board (MA26A) effective with the 1989 data issue. Regional data on paper and paperboard production was one important aspect of the discontinued report. API collects production data as part of its Capacity Survey. The table on page 13 presents estimates of 1990 paper and paperboard production, by state and Census region, based on the production data in that survey.

Although the regional distribution patterns are similar to those shown by the Census Bureau data, API's 1990 data are not fully comparable with the 1989 totals reported by the Bureau of the Census. API reproduced the Census data in its 1991 issue of Statistics of Paper, Paperboard and Wood Pulp. The reporting and editing procedures for the two data bases are somewhat different and there are some definition disparities as well.

The following table compares the data for the four geographic regions as reported by Census for 1989, and as reported by API for 1990. While no inference can be drawn regarding the changes in the totals from 1989 to 1990, both sets of data show the relative importance of each region in terms of paper and paperboard production.

	Total Paper (000 Tons)		Total Paperboard (000 Tons)		Total Paper & Paperboard (000 Tons)	
	1989	1990	1989	1990	1989	1990
Northeast	8,355	8,334	2,097	2,131	10,452	10,465
North Central	8,545	8,821	4,903	5,195	13,447	14,016
South	15,849	16,632	25,204	26,166	41,053	42,798
West	5,324	5,572	5,844	5,931	11,168	11,502
Total U.S.	38,074	39,359	38,047	39,422	76,121	78,781
Total U.S. (API)	38,266		38,519		76,785	

The table on page 13 presents data on production of paper and paperboard by state together with the number of mills producing the volume shown. While tonnage production was concentrated in the Southern states, the Northeastern and North Central states, where much of the industry's specialty papers and recycled paperboard is produced, reported the largest number of mills. Production of the major commodity grades generally requires the industry's largest mills. Thus the Southern states, with 29% of the nation's paper and paperboard mills, produced 54% of its output in 1990. Conversely, the Northeastern states, with 31% of the nation's mills, produced only 13% of its output.

The charts on the bottom of page 10 show the distribution of total paper and paperboard production and paper and paperboard mills, by Census region, in 1990.

STATE DATA - 1990
PRODUCTION

	Paper (Tons)	Number of Mills	Paperboard (Tons)	Number of Mills	Total Paper & Paperboard (Tons)	Number of Mills
Connecticut	N.A.	3	N.A.	5	494,010	8
Maine	N.A.	16	N.A.	1	3,683,544	17
Massachusetts	412,213	25	296,504	6	708,717	29
New Hampshire	N.A.	10	N.A.	3	498,885	13
Vermont	N.A.	5	N.A.	1	176,926	6
New England	4,678,970	59	883,112	16	5,562,082	73
New Jersey	406,330	6	262,904	8	669,234	14
New York	1,663,975	36	333,252	11	1,997,227	47
Pennsylvania	1,585,155	15	651,420	12	2,236,575	27
Middle Atlantic	3,655,460	57	1,247,576	31	4,903,036	88
Northeast	8,334,430	116	2,130,688	47	10,465,118	161
Illinois	242,990	3	406,210	6	649,200	9
Indiana	49,267	3	656,856	8	706,123	10
Michigan	1,460,400	21	1,507,978	14	2,968,378	34
Ohio	1,016,533	15	1,248,975	17	2,265,508	31
Wisconsin	4,659,023	38	873,342	7	5,532,365	44
East North Central	7,428,213	80	4,693,361	52	12,121,574	128
Iowa	-	0	N.A.	2	N.A.	2
Kansas	-	0	N.A.	1	N.A.	1
Minnesota	1,392,623	7	N.A.	2	N.A.	9
Missouri	-	0	N.A.	1	N.A.	1
West North Central	1,392,623	7	501,558	6	1,894,181	13
North Central	8,820,836	87	5,194,919	58	14,015,755	141
Delaware	N.A.	3	-	0	N.A.	3
Florida	930,126	5	2,144,959	6	3,075,085	10
Georgia	1,999,428	9	4,651,420	14	6,650,848	20
Maryland	N.A.	1	N.A.	2	N.A.	3
North Carolina	975,192	8	1,195,114	7	2,170,306	11
South Carolina	1,132,969	8	1,780,992	6	2,913,961	11
Virginia	1,072,444	5	2,342,587	9	3,415,031	11
West Virginia	-	0	N.A.	2	N.A.	2
South Atlantic	6,524,700	39	12,277,328	46	18,802,028	71
Alabama	2,685,451	8	3,536,138	9	6,221,589	16
Kentucky	N.A.	4	N.A.	2	548,541	6
Mississippi	N.A.	5	N.A.	3	2,111,808	7
Tennessee	1,137,331	7	1,237,262	5	2,374,593	12
East South Central	4,823,906	24	6,432,625	19	11,256,531	41

STATE DATA - 1990
PRODUCTION (Cont.)

	Paper (Tons)	Number of Mills	Paperboard (Tons)	Number of Mills	Total Paper & Paperboard (Tons)	Number of Mills
Arkansas	1,396,292	5	1,188,336	4	2,584,628	7
Louisiana	2,198,304	8	3,769,533	8	5,967,837	11
Oklahoma	309,712	4	1,086,372	3	1,396,084	6
Texas	1,379,466	7	1,411,621	6	2,791,087	11
West South Central	5,283,774	24	7,455,862	21	12,739,636	35
South	16,632,380	87	26,165,815	86	42,798,195	147
Arizona	N.A.	2	N.A.	1	N.A.	2
Colorado	-	0	N.A.	1	N.A.	1
Idaho	N.A.	2	N.A.	1	N.A.	2
Montana	-	0	N.A.	1	N.A.	1
New Mexico	-	0	-	0	-	0
Mountain	419,032	4	1,079,230	4	1,498,262	6
California	565,057	9	1,617,504	16	2,182,561	25
Oregon	1,670,665	9	2,005,746	5	3,676,411	12
Washington	2,916,800	18	1,228,397	7	4,145,197	20
Far West	5,152,522	36	4,851,647	28	10,004,169	57
West	5,571,554	40	5,930,877	32	11,502,431	63
Total U.S.	39,359,200	330	39,422,299	223	78,781,499	512

N.A.: Not available, data withheld to avoid disclosure
- : No data reported
Note: Nine states had no paper or paperboard mills in 1990: Rhode Island, North Dakota, South Dakota, Nebraska, Wyoming, Utah, Nevada, Alaska, and Hawaii. New Mexico produced construction grades not included in this report.

MONTHLY STATISTICAL SUMMARY INSERT
VOL. 70, NO. 1
JANUARY, 1992

PRODUCTION (000 TONS)

PAPER GRADES	(P) DEC 1991	(R) NOV 1991	DEC 1990	FIRST 12 MONTHS 1991	FIRST 12 MONTHS 1990	% CHANGE YR TO DATE 1991/1990
Newsprint	582	581	572	6,841	6,610	3.5
Printing & Writing	1,743	1,773	1,759	22,100	22,371	-1.2
Uncoated Groundwood (s)	140	143	149	1,775	1,806	-1.7
Coated Groundwood (s)	312	324	329	4,044	4,233	-4.5
Coated Free Sheet (s)	254	264	237	3,265	3,303	-1.1
Total Coated Paper (s)	566	588	566	7,310	7,536	-3.0
Uncoated Free Sheet Paper (s)	929	923	931	11,552	11,503	0.4
Thin Paper (s)	16	16	13	196	218	-10.0
Cotton Fiber Paper (s)	10	12	11	144	155	-7.1
Bleached Bristols (s)	81	91	90	1,123	1,152	-2.5
Tissue Paper	464	458	484	5,669	5,802	-2.3
Total Pkg & Other Paper	357	361	354	4,469	4,576	-2.3
Unbl. Kraft Paper (s)	182	176	173	2,276	2,377	-4.2
Bl. Kraft Paper (s)	37	33	37	421	484	-13.0
Specialty Pkg. Paper	43	49	51	593	563	5.3
Special Industrial Paper (s)	94	103	94	1,179	1,153	2.3
TOTAL PAPER	3,145	3,173	3,169	39,078	39,359	-0.7
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1,860	1,732	1,795	20,949	20,357	2.9
Unbleached Kraft Linerboard	1,753	1,632	1,676	19,528	19,105	2.2
Other Unbl. Kraft Paperboard	107	100	118	1,422	1,253	13.5
Semichemical Paperboard	506	477	494	5,713	5,710	0.1
Bleached Paperboard	374	359	370	4,556	4,399	3.6
Recycled Paperboard	733	789	680	9,105	8,956	1.7
TOTAL PAPERBOARD	3,474	3,357	3,339	40,323	39,423	2.3
TOTAL PAPER AND PAPERBOARD	6,619	6,530	6,508	79,401	78,782	0.8

WOOD PULP (ALL GRADES)	DEC 1991	NOV 1991	DEC 1990	FIRST 12 MONTHS 1991	FIRST 12 MONTHS 1990	% CHANGE YR TO DATE 1991/1990
Dissolving & Special Alpha	121	108	123	1,370	1,293	6.0
Bleached Sulfite)	127	116	132	1,511	1,561	-3.2
Unbleached Sulfite)						
Bleached & Semi-Bl. Sulfate	2,454	2,293	2,360	28,382	27,559	3.0
Unbleached Sulfate	1,880	1,798	1,900	22,057	22,072	-0.1
Semichemical	344	336	359	4,094	4,219	-3.0
Groundwood & Thermomechanical	546	535	547	6,404	6,345	0.9
TOTAL PULP DIVISION DATA	5,472	5,186	5,421	63,818	63,050	1.2

(s) - Shipments
P - Preliminary
R - Revised

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

INDUSTRY DATA January 31, 1992	1989	1990	1991	1991 R	1991 P	AN RATE Y-T-D 91	% CH/ SAME PD 90
PAPER AND PAPERBOARD --- Tons (000)			OCTOBER	NOVEMBER	DECEMBER		
Total Production (API)....: excluding :....	76,785	78,782	7,049	6,530	6,619	79,401	0.8
Total Seasonally Adjusted....: construction :....			6,866	6,864	6,794	79,485	0.8
Imports (including Products)....: and wet :....E....	12,910	13,006	1,132	1,007	1,036	12,172	-6.4
Exports (including Products)....: machine :....E....	6,263	6,787	716	663	693	8,303	22.3
Apparent Consumption....: grades :....E....	83,432	85,002	7,282	7,008	7,137	83,355	-2.0
Paper Production % Tonnage Capacity....	93.0	93.2	93.0	86.4	83.2	86.9	-
Paperboard Production % Tonnage Capacity....	94.0	94.2	94.9	93.2	93.8	93.1	-
PAPER, PAPERBOARD AND PRODUCTS			OCTOBER	NOVEMBER	DECEMBER		
Imports....:Including Construction and :....E....	13,100	13,147	1,142	1,015	1,045	12,280	-6.7
Exports....: WMB Grades (excl. HPB) :....E....	6,300	6,796	717	664	694	8,322	22.5
MARKET WOOD PULP PRODUCTION - Tons (000)....	8,664	8,796	744	731	823	9,045	2.8
TOTAL WOOD PULP PRODUCTION - Tons (000)....f....	61,998	63,050	5,483	5,186	5,472	63,837	1.2
WOOD PULP IMPORTS - TONS (000)....E....	5,005	4,893	389	420	415	4,984	1.9
WOOD PULP EXPORTS - TONS (000)....E....	5,766	5,905	533	443	476	6,236	5.6
RAW MATERIALS CONSUMPTION - Tons (000)							
PAPER AND BOARD MILLS....: excluding :....			OCTOBER	NOVEMBER	DECEMBER		
Wood Pulp....: consumption for :....	60,252	61,015	5,287	5,050	5,202	61,606	1.0
Waste Paper....: construction & :(1990 and 1991...	19,490	20,981	2,017	1,930	1,883	22,733	8.4
TOTAL....: WMB grades :.....Revised)	79,742	81,996	7,304	6,980	7,085	84,339	2.9
PULPWOOD CONSUMPTION Cords (000) Amer. Pulpwd. Asen	98,414	99,109	8,293	7,966	8,006	96,242	-0.9
EMPLOYMENT (000)			OCTOBER	NOVEMBER	DECEMBER		
Paper and Allied Products.....Total....	697.4	699.3	691.8	691.3	690.6	691.4	-1.1
Pulp, Paper and Board Mills.....Total.....A....	245.6	245.2	240.0	240.1	240.4	242.0	-1.3
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)			OCTOBER	NOVEMBER	DECEMBER		
Paper and Allied Products....	11.96	12.30	12.80	12.85	12.94	12.89	3.2
Pulp, Paper Mills.....A....	14.72	15.18	15.98	15.92	15.93	15.86	3.1
Paperboard Mills.....E....	14.76	15.25	15.86	16.01	16.24	15.71	3.0
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1991 Q2	1991 Q3	1991 Q4		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	15.58	16.53	11.38	11.33	11.66	11.89 Y	-28.1
INDEX OF OUTPUT PER MAN-HOUR (1982=100)			OCTOBER	NOVEMBER	DECEMBER		
:IN PULP, PAPER :....Production Workers....	127.1	129.4	136.9	131.5	134.2	132.1	2.1
:AND BOARD MILLS:....All Employees....	128.1	130.2	136.5	133.4	136.3	133.4	2.5
PAPER AND ALLIED PRODUCTS (Million $)			OCTOBER	NOVEMBER	DECEMBER		
Industry Shipments (Dept. of Commerce)*....	130,501	131,080	10,234	10,199	10,187	122,067	-6.9
Pulp, Paper and Paperboard*....	57,700	56,356	4,354	4,305	4,240	52,054	-7.6
Inventories (End of Period) - Total Industry*....	12,571	12,980	13,368	13,457	13,508	13,508	4.1
Pulp, Paper and Paperboard*....	4,980	5,305	5,618	5,670	5,756	5,756	8.5
PAPER AND ALLIED PRODUCTS COMPANIES (Million $)			1991 Q1	1991 Q2	1991 Q3		
Sales (Corporations Only)....	113,573	115,523	27,384	27,862	28,459	111,607	-3.6
Earnings (Corporations Only)....	7,047	4,682	868	792	882	3,380	-40.4
Depreciation (Corporations Only)....	5,010	5,578	1,441	1,420	1,463	5,765	5.5
Net Worth (Corporations Only)....	45,842	45,951	46,714	46,404	46,243	46,243	1.4
PRICE INDEXES (Bureau of Labor Stats)1982=100			OCTOBER	NOVEMBER	DECEMBER		
Pulp, Paper & Products, ex. Building Grades....	132.4	132.9	128.8	129.0	128.4	129.9	-2.3
Wood Pulp....	157.4	151.2	111.9	111.3	107.4	119.8	-20.8
Waste Paper....	157.1	138.9	109.3	110.3	110.3	121.3	-12.7
Paper....	129.6	128.8	125.6	125.3	124.9	127.1	-1.4
Paperboard....	140.1	135.7	132.9	132.9	132.9	130.2	-4.1
PAPER DEMAND (INDEXED: 1987=100)			OCTOBER	NOVEMBER	DECEMBER		
Total Paper Production *....	103.7	106.7	109.9	103.8	105.4	105.9	-0.7
Paper New Supply *....E....	102.4	104.6	105.7	98.1	99.9	100.5	-4.0
Demand Indicators - (Weighted Average) *....	107.4	110.0	111.8	111.9	112.6	110.2	0.2
Production of Nondurable Goods.....*....(21.2%)....	106.4	107.8	110.0	109.8	110.3	108.0	0.2
Disposable Income.....*....(23.9%)....	105.5	107.6	107.8	107.3	108.2	107.4	-0.1
Total Printing and Publishing.....*....(54.9%)....	106.6	111.9	114.3	114.8	115.4	112.3	0.4
PAPERBOARD DEMAND (INDEXED: 1987=100)			OCTOBER	NOVEMBER	DECEMBER		
Total Paperboard Production *....	103.0	105.4	111.6	111.2	113.8	107.8	2.3
Production for Domestic Use .....E....	103.2	104.6	110.0	110.0	109.7	105.4	0.7
Demand Indicators - (Weighted Average) *....	107.2	107.9	109.0	108.9	108.6	107.2	-0.7
Production of Consumer Goods.....*....(62.06%)....	106.6	107.3	109.7	109.8	109.4	107.5	0.2
Production of Equipment.....*....(5.75%)....	112.3	115.5	111.7	111.3	110.9	[illegible]	-2.8
Production of Materials.....*....(32.19%)....	107.4	107.8	107.3	106.6	106.6	105.6	-2.0
MARKET DATA			OCTOBER	NOVEMBER	DECEMBER		
Newsprint Consumption by Publishers - Tons (000)....(1991 Revised)....	13,493	13,368	1,158	1,120	1,118	12,618	-5.6
Newspaper Pub. and Printing Empl. Total(000)....	472	476	459	460	460	462	-2.9
Magazine Advertising Pages (PIB, Inc.)	181,995	177,920	15,962	16,721	14,676	158,615	-10.9
Wholesalers Sales and Inventories (Million $)			OCTOBER	NOVEMBER	DECEMBER		
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales....	50,015	51,454	4,686	4,000	3,976	49,542	-3.7
Inventories (End of Period)....	4,132	4,300	3,954	4,003	4,040	4,040	-6.0
FIBRE BOX DATA (Fibre Box Association)			OCTOBER	NOVEMBER	DECEMBER		
Fibre Box Shipments (Million square feet)....	313,400	318,102	31,348	25,153	23,453	320,001	0.6
Container'bd Inventory at Mill & Plant (000 Tons)....	2,589	2,765	2,445	2,468	2,856	2,856	-4.0
RETAIL TRADE (Billion $)							
Total Retail Sales *....	1,742	1,808	152.5	151.7	151.2	1,820	0.7
Nondurable Goods Stores Sales *....	1,089	1,153	97.8	97.8	97.5	1,176	2.0
GENERAL ECONOMIC DATA			OCTOBER	NOVEMBER	DECEMBER		
TOTAL INDUSTRIAL PRODUCTION (INDEX 1987 = 100)*....	108.1	109.2	108.2	108.0	107.8	107.1	-1.9
PRODUCER PRICES (ALL COMMODITIES) (INDEX 1982=100)....	112.2	116.3	116.4	116.4	115.9	116.5	0.2
CONSUMER PRICES (ALL ITEMS-URBAN CON.) (1982-4=100)....	124.0	130.7	137.4	137.8	137.8	136.2	4.2
GROSS DOMESTIC PRODUCT - ANNUAL RATE (Billion$) *			1991 Q2	1991 Q3	1991 Q4		
G.D.P. or Expenditure - Current $....	5,244	5,514	5,853	5,709	5,737	5,672	2.9
G.D.P. or Expenditure - 1987 $....	4,837	4,885	4,841	4,863	4,866	4,848	-0.7
PAPER AND PAPERBOARD CONSUMPTION - POUNDS PER CAPITA	671	681				680	

f - Wood Pulp Prod exc def., expls & scr. R - Revised E - Last month estimated by API A - Est. by API Y - Full year est. by Dept. of Commerce * Seasonally Adjusted